

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

RECORDS OF SOME REPTILES AND BATRACHIANS
FROM THE SOUTHEASTERN UNITED STATES.

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In the last fifteen years I have purchased a good many reptiles and batrachians from points in the southeastern States, and as they include a number of notable occurrences, it seems to me advisable to publish a list of the species received, with the localities from which they came. All those received from States other than Florida were sent me alive, while from Florida both living and preserved specimens have been received. The localities from which I have received material are as follows:

Mississippi: Bay St. Louis, Hancock County.

Alabama: Greensboro, Hale County.

Georgia: Mimsville, Baker County; Riceboro, Liberty County.

Florida: Green Cove Springs, Clay County; Hastings, St. John County; Orlando, Orange County; Fruitland Park, Lake County; Belleair, Tarpon Springs, St. Petersburg and Fort Meade, Hillsboro County; Miami, Dade County; Key West, Monroe County; Tallahassee, Leon County.

In some cases only a very few specimens were received from a locality, while in other instances they comprised a very respectable proportion of the herpetological fauna of the place. The detailed list follows. I have not deemed it necessary to give comments in every case.

Amblystoma talpoideum.

MOLE SALAMANDER.

Bay St. Louis, Mississippi, over thirty specimens received in the winters of 1897 to 1900; Mimsville, Georgia, 1 received alive February 7, 1903.

Plethodon glutinosus.

VISCID SALAMANDER.

Bay St. Louis, Mississippi, May 24, 1900, 1; Mimsville, Georgia, February 7, 1902, 12; Green Cove Springs, Florida, April, 1898, 1.

Spelerpes guttolineatus.

HOLBROOK'S TRITON.

Bay St. Louis, Mississippi, February 8, 1898, 1.

Desmognathus fusca.

BROWN TRITON.

Bay St. Louis, Mississippi, December, 1897, and March, 1898, 5.

Desmognathus fusca auriculata.

SOUTHERN TRITON.

Hastings, Florida, July, 1898, 3. Probably the Mississippi specimens belong here also.

Diemyctylus viridescens.

AMERICAN NEWT.

Bay St. Louis, Mississippi, December, 1897, February, 1901, 8; Orlando, Florida, July, 1905, 1; Green Cove Springs, Florida, July, 1898, 4.

Amphiuma means.

TWO-TOED DITCH EEL.

Hastings, Florida, numerous small and medium sized specimens and four lots of eggs in 1900 and 1901. The eggs were all taken in July under logs in the partially dry mud of dried up pools. Orlando, October 17, 1904, 2.

Amphiuma tridactyla.

THREE-TOED DITCH EEL.

Greensboro, Alabama, numerous specimens received every spring for the last ten years.

Siren lacertina.

GREAT SIREN.

Hastings, Florida, April, 1901, July, 1902, 2; Orlando, Florida, over a dozen received at various times, mostly small; Green Cove Springs, Florida, May, 1898, 2.

Pseudobranchius striatus.

LITTLE SIREN.

Orlando, Florida, 1, 150 mm. long, received January 27, 1910.

Scaphiopus holbrooki.

SOLITARY SPADEFOOT.

Key West, Florida, 1 young one, April, 1909; Miami, Florida, November, 1900, 1; Orlando, Florida, August, 1902, 1.

Bufo quercicus.

DWARF TOAD.

Received from Hastings, Orlando, Green Cove Springs and St. Petersburg, all in Florida. Evidently common at the first and last two places.

Bufo lentiginosus.

SOUTHERN TOAD.

Bay St. Louis, Mississippi; Mimsville, Georgia; Riceboro, Georgia; Belleair, Florida; Fort Meade, Florida.

Lithodytes ricordii.

RICORD'S LITHODYTES.

Key West, Florida, 1, in April, 1909.

Acris gryllus.

CRICKET FROG.

Bay St. Louis, Mississippi; Green Cove Springs and Fruitland Park, Florida.

Chorophilus ornatus.

ORNATE CHORUS FROG.

Hastings, Florida, June, 1901, 1; Green Cove Springs, Florida, July, 1898, 5.

Chorophilus occidentalis.

SMOOTH CHORUS FROG.

Bay St. Louis, Mississippi, February and April, 1898, 5.

Chorophilus nigrinus.

ROUGH CHORUS FROG.

Bay St. Louis, Mississippi, February 10, 1898, 1.

Hyla gratiosa.

GEORGIA TREE FROG.

Bay St. Louis, Mississippi, two received in 1901. Scattering specimens received at various times from Green Cove Springs, Orlando, Belleair, St. Petersburg and Fruitland Park, all in Florida.

Hyla cinerea.

CAROLINA TREE FROG.

Bay St. Louis, Mississippi, abundant. In Florida, specimens from Hastings, Orlando and Fruitland Park.

Hyla (sp.)

Bay St. Louis, Mississippi, in January and February, 1901, several specimens of a tree frog with the sharply defined side line of *cinerea*, but with dark spots on the back like *squirella* were received from this place. My notes state that they were apparently a little stouter than *cinerea* and grayer in color. A single specimen resembling *cinerea*, but lacking the yellow line on the side, also came from here.

Hyla squirella.

SQUIRREL TREE FROG.

Abundant at Bay St. Louis, Mississippi; Orlando, Hastings and Fruitland Park, Florida; specimens also from Green Cove Springs, Belleair and St. Petersburg.

Hyla femoralis.

PINEWOODS TREE FROG.

Specimens from Belleair, Tarpon Springs, Orlando, Green Cove Springs and Fruitland Park, Florida. Apparently less common than *cinerea* and *squirella*.

Hyla versicolor.

COMMON TREE FROG.

Bay St. Louis, Mississippi, 3 specimens.

Engystoma carolinense.

NARROW-MOUTHED TOAD.

Key West, Florida, 3 specimens, April, 1909; Belleair, Florida, 1, July, 1897; Bay St. Louis, Mississippi, 1, February, 1898.

Rana pipiens.

LEOPARD FROG.

Received from Belleair, St. Petersburg and Fruitland Park, Florida; and from Bay St. Louis, Mississippi.

Rana aesopus.

GOPHER FROG.

From Orlando, Fort Meade, Tarpon Springs, Belleair and Green Cove Springs, Florida.

Rana catesbiana.

BULL FROG.

Green Cove Springs, Florida, May, 1898, 1.

Anolis principalis.

GREEN LIZARD.

Bay St. Louis, Mississippi; Fruitland Park, Florida.

Ophisaurus ventralis.

GLASS SNAKE.

Bay St. Louis, Mississippi; Mimsville, Georgia; Orlando, St. Petersburg, Tarpon Springs, and Belleair, Florida.

Liolepisma laterale.

GROUND LIZARD.

Belleair and Orlando, Florida.

Eumeces fasciatus.

BLUE-TAILED LIZARD.

Bay St. Louis, Mississippi; Mimsville, Georgia; Tarpon Springs, Belleair and Orlando, Florida.

Rhineura floridana.

FLORIDA BLINDWORM.

Orlando and Tarpon Springs, Florida. Apparently common at both places.

Farancia abacura.

HORN SNAKE.

Mimsville, Georgia, May 16, 1902, 1; August 10, 1903, 1; Riceboro, Georgia, May 31, 1909, 1 five feet long; also 1 specimen each from Belleair and Orlando, Florida.

Diadophis punctatus.

RING-NECKED SNAKE.

Numerous specimens from Bay St. Louis, Mississippi; 1 from Riceboro, Georgia; and 1 or 2 each from Orlando, Tarpon Springs and Hastings, Florida.

Rhadinæa flavilata.

BROWN-HEADED SNAKE.

Bay St. Louis, Mississippi, abundant. Two specimens from Orlando, Florida.

Heterodon simus.

HOGNOSED SNAKE.

Mimsville, Georgia. Apparently rather common.

Heterodon platyrhinus.

SPREADING ADDER.

Bay St. Louis, Mississippi, 1, March, 1901; Mimsville, Georgia, and Riceboro, Georgia, common, but the black form much commoner than the spotted one at these two places.

Cyclophis aestivus.

SOUTHERN GREEN SNAKE.

Bay St. Louis, Mississippi; Mimsville, Georgia; St. Petersburg and Tarpon Springs, Florida.

Bascanion constrictor.

BLACK SNAKE.

Bay St. Louis, Mississippi; Mimsville, Georgia; Riceboro, Georgia.

Bascanion flagellum.

COACHWHIP.

Mimsville and Riceboro, Georgia; and Orlando, Florida.

Coluber obsoletus confinis.

SPOTTED CHICKEN SNAKE.

Only from Mimsville, Georgia, where it does not appear to be common.

Coluber quadrivittatus.

STRIPED CHICKEN SNAKE.

Riceboro, Georgia, common; also 1 each from Orlando and Fort Meade, Florida.

Coluber guttatus.

RAT SNAKE; SPOTTED RACER.

Bay St. Louis, Mississippi, 3; common at both Mimsville and Riceboro, Georgia; occasional specimens from Orlando, Tarpon Springs and Belleair, Florida.

Spilotes corais couperi.

GOPHER SNAKE.

Only from Belleair and Orlando, Florida.

Pityophis melanoleucus.

PINE SNAKE.

Mimsville, Georgia, 2, June 30, 1906; a few specimens from Orlando, Florida.

Ophibolus getulus.

KING SNAKE.

Mimsville and Riceboro, Georgia; Orlando, Florida.

Ophibolus getulus sayi.

WESTERN KING SNAKE.

Bay St. Louis, Mississippi, 3.

Ophibolus coccineus.

RED KING SNAKE.

Bay St. Louis, common; also from Orlando and Tarpon Springs, Florida.

Stilosoma extenuatum.

SHORT-TAILED SNAKE.

Fort Meade, Florida, 1, April 19, 1909; Tarpon Springs, Florida, 1, January, 1897.

Cemophora coccinea.

SCARLET SNAKE.

Bay St. Louis, Mississippi, 2; Mimsville, Georgia, 7; Orlando, Florida, 9; Tarpon Springs, Florida, 1.

Natrix fasciata.

SOUTHERN WATER SNAKE.

Received from Bay St. Louis, Mississippi; Mimsville, Georgia; Riceboro, Georgia; and Orlando, Florida.

Natrix compressicauda.

FLAT-TAILED WATER SNAKE.

From St. Petersburg and Key West, Florida.

Seminatrix pygæa.

BLACK SWAMP SNAKE.

Orlando, Florida, November 23, 1902; Tarpon Springs, Florida, February 15, 1897; Green Cove Springs, Florida, May 16 and June 23, 1898; 6 specimens in all.

Storeria dekayi.

DEKAY'S SNAKE.

Green Cove Springs and Orlando, Florida; Bay St. Louis, Mississippi.

Virginia valeriae.

VALERIAS SNAKE.

Mimsville, Georgia, April, May, 1903, 5.

Virginia elegans.

ELEGANT SNAKE.

Bay St. Louis, Mississippi, 10 specimens in 1898 and 1899.

Haldea striatula.

BROWN SNAKE.

Bay St. Louis, Mississippi, a dozen specimens 1897 to 1901.

Liodytes alleni.

ALLEN'S SNAKE.

Green Cove Springs and Orlando, Florida.

Eutaenia sirtalis.

GARTER SNAKE.

Mimsville and Riceboro, Georgia; Tarpon Springs, Florida. The form *ordinatus* is quite common at Mimsville, and I have had one also from Riceboro.

Eutaenia sackeni.

FLORIDA RIBBON SNAKE.

Bay St. Louis, Mississippi, 5 specimens. Also from Green Cove Springs, Orlando and Belleair, Florida.

Tantilla coronata.

CROWNED TANTILLA.

Bay St. Louis, Mississippi, common. Also from Tarpon Springs, Florida, 4; and Orlando, Florida, 1.

Elaps fulvius.

CORAL ADDER.

Mimsville, Georgia; Riceboro, Georgia; common at both places. Also from Orlando and Green Cove Springs, Florida.

Ancistrodon piscivorus.

COTTONMOUTH.

Bay St. Louis, Mississippi; Belleair and Orlando, Florida; Mimsville and Riceboro, Georgia.

Ancistrodon contortrix.

COPPERHEAD.

Riceboro, Georgia, common; not received from any other locality.

Sistrurus miliarius.

GROUND RATTLESNAKE.

Bay St. Louis, Mississippi; Mimsville, Georgia; Orlando, Belleair and Green Cove Springs, Florida.

Crotalus adamanteus.

DIAMOND RATTLESNAKE.

Mimsville, Georgia, 1, June 24, 1907; in Florida, from Orlando and Miami.

Testudo polyphemus.

GOPIER TORTOISE.

Mimsville, Georgia; Belleair and Orlando, Florida.

Malaclemmys macrospilota.

FLORIDA DIAMONDBACK.

Belleair and St. Petersburg, Florida; apparently common.

Graptemys pulchra.

BAUR'S TERRAPIN.

Mimsville, Georgia, 1, November 20, 1901.

Deirochelys reticulata.

CHICKEN TERRAPIN.

Mimsville, Georgia, abundant. Also from Green Cove Springs, Hastings, Orlando, St. Petersburg and Belleair, in Florida.

Chrysemys rubriventris.

RED-BELLIED TERRAPIN.

Orlando, Florida, 1, March 13, 1902.

Chrysemys mobiliensis.

MOBILE TERRAPIN.

This is Baur's *mobiliensis*, but I can not distinguish the few Mimsville, Georgia, specimens I have received, from Raleigh, North Carolina, specimens of *C. concinna*.

Chrysemys floridanus.

FLORIDA TERRAPIN.

Mimsville, Georgia, common. Also from Orlando and Belleair, Florida.

Chrysemys scripta.

YELLOW-BELLIED TERRAPIN.

Mimsville, Georgia, abundant; none from Florida. Though there is great variation in this respect, the markings on the plastron are apt to be larger and present on more plates in Georgia specimens than in Raleigh, North Carolina, ones. Although the black spots on the two gular plates are almost always present, yet in two Raleigh specimens I had in 1909 there were no spots on either bridge or plastron, and from

this condition there is every gradation until at last in some Mimsville specimens there are elongate black spots on every plate of the plastron and of the bridge. The upright yellow bar behind the eye is the most positive color mark of this species, but is sometimes very obscure in old specimens.

Chrysemys troosti.

TROOST'S TERRAPIN.

Three specimens from Mimsville, Georgia, received July 1, 1907, 2; June 18, 1909, 1. All the species of *Chrysemys* and *Deirochelys* are commonly known as cooters in Florida and Georgia.

Chelopus guttatus.

SPECKLED TERRAPIN.

Riceboro, Georgia, 1, received May 5, 1902.

Terrapene major.

LARGE BOX TURTLE.

Tallahassee, Florida, 2; Riceboro, Georgia, 1.

Terrapene bauri.

BAUR'S BOX TURTLE.

Bay St. Louis, Mississippi, 1; Mimsville, Georgia, 1; also numerous examples from Florida (Green Cove Springs, Hastings, Orlando, St. Petersburg and Belleair). I think this is identical with *major*, particularly as there is no constancy in the number of claws on the hind feet, they being as often 4-4, as 3-3, and not infrequently 4-3.

Terrapene triunguis.

THREE-CLAWED BOX TURTLE.

Mimsville, Georgia, abundant. Also from Riceboro, Georgia, and Bay St. Louis, Mississippi. Apparently only a subspecies of *carolina*, in which connection it may be stated that at Raleigh, North Carolina, three-clawed examples of *carolina* occasionally occur.

Cinosternum bauri.

BAUR'S MUD TURTLE.

Common in Florida; have received specimens from Green Cove Springs, Hastings, Orlando, St. Petersburg and Fort Meade.

Cinosternum louisianæ.

LOUISIANA MUD TURTLE.

Mimsville, Georgia, 2 specimens. This appears to be a southern form of *C. pennsylvanicum*, possibly on the verge of becoming a species. At Mimsville, *pennsylvanicum* is the common form. At Colmesneil, in eastern Texas, the mud turtles appear to be intermediate, some being nearest *pennsylvanicum* and some nearest *louisianæ*. At Waco, Texas, nearly all are *louisianæ*, while at Austin, Texas, *flavescens* is the common species, with an occasional *louisianæ*.

Cinosternum pennsylvanicum.

COMMON MUD TURTLE.

Mimsville, Georgia; Riceboro, Georgia. Some specimens received from Bay St. Louis, Mississippi, in 1897 and 1900 are also referred here as they were certainly not *louisiana*, and probably not *steindachneri*.

Cinosternum steindachneri.

STEINDACHNER'S MUD TURTLE.

Hastings, Orlando and St. Petersburg, Florida, common. In the size of the plastron is intermediate between the preceding and the next.

Aromochelys tristycha.

SOUTHERN MUSK TURTLE.

Orlando, Florida, common. Am very doubtful as to this being in any way different from *odoratum*.

Aromochelys carinatus.

KEELED MUSK TURTLE.

Mimsville, Georgia; quite a number received from this locality in 1900 and 1902.

Chelydra serpentina.

SNAPPING TURTLE.

Mimsville, Georgia; a few small specimens.

Thalassochelys caretta.

LOGGERHEAD SEA TURTLE.

Twenty-five newly hatched young received from Belleair, Florida, October, 1897.

Trionyx ferox.

SOUTHERN SOFTSHELL TURTLE.

Mimsville, Georgia; Orlando, Belleair, Green Cove Springs and St. Petersburg, Florida.

Alligator mississippiensis.

ALLIGATOR.

Young specimens received from Riceboro, Georgia; Bay St. Louis, Mississippi; Orlando and Belleair, Florida.